

170344

9/15/94

=> s hpv or human papilloma virus?

103 HPV

3 HUMAN

511 PAPILLOMA

12505 VIRUS?

0 HUMAN PAPILLOMA VIRUS?

(HUMAN(W)PAPILLOMA(W)VIRUS?)

L20 103 HPV OR HUMAN PAPILLOMA VIRUS?

=> s hpv18 and hpv16

7 HPV18

11 HPV16

L21 6 HPV18 AND HPV16

=> d 1-6 cit ab

1. 5,346,811, Sep. 13, 1994, Method and products for human papillomavirus detection; Ivan Galindo-Castro, et al., 435/5, 6; 530/387.1; 536/24.32 [IMAGE AVAILABLE]

US PAT NO: 5,346,811 [IMAGE AVAILABLE]

L21: 1 of 6

#### ABSTRACT:

The present invention provides a Human Papillomavirus (HPV) detection method, the results capable of being read on specimen slides through in situ hybridization techniques. The method is based on a pair of consensus polynucleotide probes which hybridize type-specifically with clinically important HPV viral types and is capable of distinguishing between malignant and benign HPV viruses. Compositions of the polynucleotide probes in detectably labeled form are also a part of the invention. For correlation of the present method with known polymerase chain reaction (PCR) detection of HPV, a PCR assay is described.

2. 5,342,930, Aug. 30, 1994, Isolated DNA of human papillomavirus type 54 (HPV54); Gerard Orth, et al., 536/23.72; 435/172.3, 320.1; 536/24.32 [IMAGE AVAILABLE]

US PAT NO: 5,342,930 [IMAGE AVAILABLE]

L21: 2 of 6

#### ABSTRACT:

Restriction maps of DNA derived from Human Papillomavirus Types 49, 50, 54, and 55 are disclosed as well as methods for providing recombinant

BEST AVAILABLE COPY

3. 5,283,171, Feb. 1, 1994, Compositions for and detection of human papillomavirus by specific oligonucleotide polymerase primers using the polymerase chain reaction; M. Michele Manos, et al., 435/5, 6, 810; 436/501, 811; 536/23.1, 24.3, 24.31, 24.32, 24.33; 935/3, 20, 77, 78, 88 [IMAGE AVAILABLE]

US PAT NO: 5,283,171 [IMAGE AVAILABLE]

L21: 3 of 6

ABSTRACT:

The presence of human papillomavirus (HPV) in a sample can be detected and the HPV typed by a method that involves the amplification of HPV DNA sequences by the polymerase chain reaction (PCR). The primers used in the method are consensus primers that can be used to amplify a particular region of the genome of any HPV. The presence of HPV in a sample is indicated by the formation of amplified DNA. The HPV is typed by the use of type-specific DNA probes specific for the amplified region of DNA.

4. 5,218,102, Jun. 8, 1993, Nucleic acid probe containing a terminal carbamyl linking non-radioactive labeling and preparing processes; Alfredo Cravador, et al., 536/24.3; 435/6, 91.5, 188, 810; 436/501; 536/25.31, 25.32, 25.33, 26.12, 26.6, 26.71, 26.72, 26.8; 935/78, 88 [IMAGE AVAILABLE]

US PAT NO: 5,218,102 [IMAGE AVAILABLE]

L21: 4 of 6

ABSTRACT:

The subject of the present invention is a nucleic acid probe containing a nucleic acid sequence, wherein the said sequence is linked at its 5' end, via a divalent bifunctional chemical "arm" L, to a "labeling component" M, M being a synthetic or natural molecule which is directly or indirectly detectable in a non-isotopic manner, according to the formula I: ##STR1## in which J=H or OH

n denotes the number of nucleotides from 1 to 100,000

B is a purine or pyrimidine nucleic acid base, which varies according to the nucleotide, as appropriate.

The subject of the invention is also a process for preparing such probes, employing an intermediate compound consisting of a nucleotide synthon of formula IV ##STR2## in which J, B, L and R.sub.1 have the meanings given above, B optionally being protected,

R.sub.2 denotes H or any phosphorylated group, optionally protected, suited to the introduction of the compound of formula IV at the 5' end of another nucleotide, for a given type of internucleotide-assembling synthesis.

5. 5,182,377, Jan. 26, 1993, Probes for detection of human papillomavirus; M. Michele Manos, et al., 536/24.32; 435/5, 6; 436/501, 811; 536/24.33; 935/3, 20, 77, 78 [IMAGE AVAILABLE]

US PAT NO: 5,182,377 [IMAGE AVAILABLE]

L21: 5 of 6

ABSTRACT:

The presence of human papillomavirus (HPV) in a sample can be detected and the HPV typed by a method that involves the amplification of HPV DNA sequences by the polymerase chain reaction (PCR). The primers used in the method are consensus primers that can be used to amplify a particular region of the genome of any HPV. The presence of HPV in a sample is indicated by the formation of amplified DNA. The HPV is typed by the use of type-specific DNA probes specific for the amplified region of DNA.

6. 4,983,728, Jan. 8, 1991, Nucleic acid probes of human papilloma virus; Albert Herzog, et al., 435/5, 91.2, 948; 436/501, 811; 536/23.72, 24.32; 935/9, 16, 17, 78, 88 [IMAGE AVAILABLE]

BEST AVAILABLE COPY

## ABSTRACT:

The present invention relates to probes of nucleic acids useful for detecting indifferently the various types of human papilloma virus, particularly HPV1a, HPV5, HPV6b, HPV8, HPV11, HPV16, HPV18 and HPV33, especially a probe comprising a labelled sequence of nucleic acids, characterized in that it comprises the oligomer of twelve nucleotides X-A-A-A-A-C-G-A-A-A-G-X, with X=T or U, or its complement by interchanging A and X on the one hand, C and G on the other hand. The present invention also relates to specific probes of nucleic acids for the detection of human papilloma for each of the types HPV1a, HPV5, HPV8, HPV11, HPV16, HPV18 and HPV33, as well as specific probes of sub-groups of the virus HPV16, HPV18, HPV33 or HPV16 and HPV18 only or again HPV5 and HPV8 only.

=> s 120 and (MHC or histocompatibility complex  
UNMATCHED LEFT PARENTHESIS 'AND (MHC'

=> s 120 and (MHC or histocompatibility complex)  
328 MHC  
505 HISTOCOMPATIBILITY  
231325 COMPLEX  
196 HISTOCOMPATIBILITY COMPLEX  
(HISTOCOMPATIBILITY(W)COMPLEX)  
L22 0 L20 AND (MHC OR HISTOCOMPATIBILITY COMPLEX)

=> s 120 and (e6 or e7)  
1 "MANN, BERNARD"/IN  
5 "MANN, BERND"/IN  
L23 0 L20 AND ("MANN, BERNARD"/IN OR "MANN, BERND"/IN)

=> s 120 and (protein e6 or protein e7)  
0 PROTEIN "MANN, BERNARD"/IN  
0 PROTEIN "MANN, BERND"/IN  
L24 0 L20 AND (PROTEIN "MANN, BERNARD"/IN OR PROTEIN "MANN, BERND  
"/I  
N)

=> s 120 and (protein (w) ("e6 or e7"))  
38972 PROTEIN  
1748 "E6"  
1559 "E7"  
244 "E6 OR E7"  
("E6"(1W)"E7")  
0 PROTEIN (W) ("E6 OR E7")  
L25 0 L20 AND (PROTEIN (W) ("E6 OR E7"))

=> s protein (w) ("e6 or e7")  
38972 PROTEIN  
1748 "E6"  
1559 "E7"  
244 "E6 OR E7"  
("E6"(1W)"E7")  
L26 0 PROTEIN (W) ("E6 OR E7")

=> s oncogene? (w) ("e6 or e7")  
580 ONCOGENE?  
1748 "E6"  
1559 "E7"  
244 "E6 OR E7"  
("E6"(1W)"E7")  
L27 0 ONCOGENE? (W) ("E6 OR E7")

=> s (hpv16 or hpv type 16) and oncogene? ("e6 or e7")  
MISSING OPERATOR 'NCOGENE? ("E6'

REST AVAILABLE COPY

=> s (hvp16 or hvp type 16) and oncogene? ("e6 or e7")  
MISSING OPERATOR 'NCOGENE? ("E6'  
YOU HAVE RECEIVED THIS ERROR MESSAGE 2 CONSECUTIVE TIMES  
The search profile that was entered contains terms or  
nested terms that are not separated by a logical operator.  
IF YOU REQUIRE FURTHER HELP, PLEASE CONTACT YOUR LOCAL HELP DESK

=> I  
=> e kasst, w m/in  
E1 1 KASSRAVI, MOHAMED R YAZDANI KNOWN AS RUHOLAH YAZDANI/I  
N  
E2 1 KASSRAVI, MOHAMED RUHOLAH YAZDANI/IN  
E3 0 --> KASST, W M/IN  
E4 1 KASSU, SHIGERU/IN  
E5 1 KASSUBA, STEVEN M/IN  
E6 1 KASSUELKE, LEANDER/IN  
E7 1 KASSZA, TIBOR/IN  
E8 1 KAST, BERND/IN  
E9 5 KAST, HANS/IN  
E10 11 KAST, HELLMUT/IN  
E11 4 KAST, HELMUT/IN  
E12 20 KAST, HOWARD B/IN

=> e  
E13 3 KAST, HOWARD BERDOLT/IN  
E14 3 KAST, JACK L/IN  
E15 1 KAST, JOHN R/IN  
E16 14 KAST, JUERGEN/IN  
E17 4 KAST, KEVIN H/IN  
E18 1 KAST, MARK D/IN  
E19 6 KAST, MICHAEL A/IN  
E20 5 KAST, PHILIP J/IN  
E21 1 KAST, RICHARD/IN  
E22 1 KAST, STEVEN J/IN  
E23 4 KASTALSKY, ALEXANDER/IN  
E24 5 KASTAN, B LINN/IN

=> e sidney, j/in  
E1 2 SIDNEY, BARRY D/IN  
E2 2 SIDNEY, GEORGE L JR/IN  
E3 0 --> SIDNEY, J/IN  
E4 2 SIDNEY, JAMES T/IN  
E5 1 SIDNEY, LU ANN N/IN  
E6 3 SIDNEY, LUANN/IN  
E7 1 SIDNEY, MICHAEL/IN  
E8 1 SIDO, WILLIAM F/IN  
E9 1 SIDOLA, LEO E/IN  
E10 2 SIDOLI, PAOLO/IN  
E11 2 SIDOLI, PAOLO G/IN  
E12 7 SIDOR, EDWARD F/IN

=> s e4  
L28 2 "SIDNEY, JAMES T"/IN

=> d cit

1. 4,503,571, Mar. 12, 1985, Infant trainer seat; James T. Sidney ,  
4/254, 239, 573.1 [IMAGE AVAILABLE]

=> d cit 2

2. 4,060,148, Nov. 29, 1977, Portable collapsible scaffold structure;  
James T. Sidney , 182/2, 117, 127 [IMAGE AVAILABLE]

=> e melief, c/in  
E1 1 MELIDEO, MICHAEL/IN

REST AVAILABLE COPY

E2 1 MELIKUSIAN, ELIZABETH SYLVIA/IN  
 E3 0 --> MELIEF, C/IN  
 E4 1 MELIGA, MARINA/IN  
 E5 1 MELIGA, MAURO/IN  
 E6 1 MELIGNE, PATRICK/IN  
 E7 1 MELIK SARKISOV, BORIS SERGEEVICH DECEASED/IN  
 E8 1 MELIK SHAKHNAZAROV, ALEXANDR M/IN  
 E9 1 MELIKADZE, LEONID DAVIDOVICH/IN  
 E10 1 MELIKIAN, FELIX B/IN  
 E11 8 MELIKIAN, GORKEN/IN  
 E12 1 MELIKIAN, KAREN G/IN

=> e sette, a/in

E1 1 SETSUTA, TATSUO/IN  
 E2 7 SETTANNI, RICHARD/IN  
 E3 0 --> SETTE, A/IN  
 E4 1 SETTE, ALESSANDRO/IN  
 E5 2 SETTE, EDWARD F/IN  
 E6 4 SETTE, JAMES J/IN  
 E7 23 SETTE, PAUL R/IN  
 E8 1 SETTE, PRIMO J/IN  
 E9 4 SETTE, ROBERT A/IN  
 E10 1 SETTE, VINCENT E/IN  
 E11 5 SETTEDUCATI, MARK/IN  
 E12 1 SETTELE, HELMUT/IN

=> s e4

L29 1 "SETTE, ALESSANDRO"/IN

=> cit

'CIT' IS NOT A RECOGNIZED COMMAND

=> d cit

1. 5,200,320, Apr. 6, 1993, Method for identifying useful polypeptide vaccines; Alessandro Sette, et al., 435/7.24, 7.8, 29; 436/501, 503 [IMAGE AVAILABLE]

=> d ab

US PAT NO: 5,200,320 [IMAGE AVAILABLE]

L29: 1 of 1

# ABSTRACT:

A method of identifying potential polypeptide vaccines to an agent, such as viruses, bacteria, and parasites. A critical binding segment of a first polypeptide known to bind to a first MHC type, is ascertained. The effect of replacing each of the amino acids in the critical segment, upon binding of that segment to the first MHC type, is evaluated. Following this, a protein produced by the agent is scanned for at least one trial amino acid sequence which the foregoing evaluation indicates will be a good binder to the first MHC type. When a potentially good binding sequence is found, a polypeptide containing such sequence can be evaluated as a synthetic vaccine.

=> s e4 and hpv

1 "SETTE, ALESSANDRO"/IN

103 HPV

L30 0 "SETTE, ALESSANDRO"/IN AND HPV

=> e

E13 1 SETTELE, NORBERT/IN  
 E14 1 SETTELE, WALTER/IN  
 E15 1 SETTELE, WILHELM/IN  
 E16 1 SETTELMAYER, JOSEPH J/IN  
 E17 1 SETTELMAYER, RICHARD/IN  
 E18 1 SETTELS, MATTHEUS R/IN

BEST AVAILABLE COPY

|     |   |                           |
|-----|---|---------------------------|
| E19 | 1 | SETTEMBRE, DONATO/IN      |
| E20 | 3 | SETTEMBRE, RICHARD J/IN   |
| E21 | 1 | SETTEMBRINI, ANTOINE D/IN |
| E22 | 1 | SETTEN, ROBERT L SR/IN    |
| E23 | 5 | SETTEPANI, JOSEPH A/IN    |
| E24 | 3 | SETTER, ALFRED C/IN       |

=> e

**BEST AVAILABLE COPY**